



**qqH->qqWW->qql $\ell$ vv**

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# Comments and Plans

Present studies concentrate only on leptons  
CompHEP + PYTHIA is done. Forced proper decays of:

- Signal : jjH; H->WW->llvv ( $l=e$  or  $\mu$ )
- Bkgrnd : jjZ; Z-> tau tau -> llvv ( $l=e$  or  $\mu$ )
- Bkgrnd : ttj: t->Wb; W->lv ( $l=e$  or  $\mu$ )

Understand Rainwater & Zeppenfeld analyses and the present one

Concentrate on jets next

Selection of tagging jets; identify optimized cuts

Final ORCA analyses to be done later:



# Comments and Plans

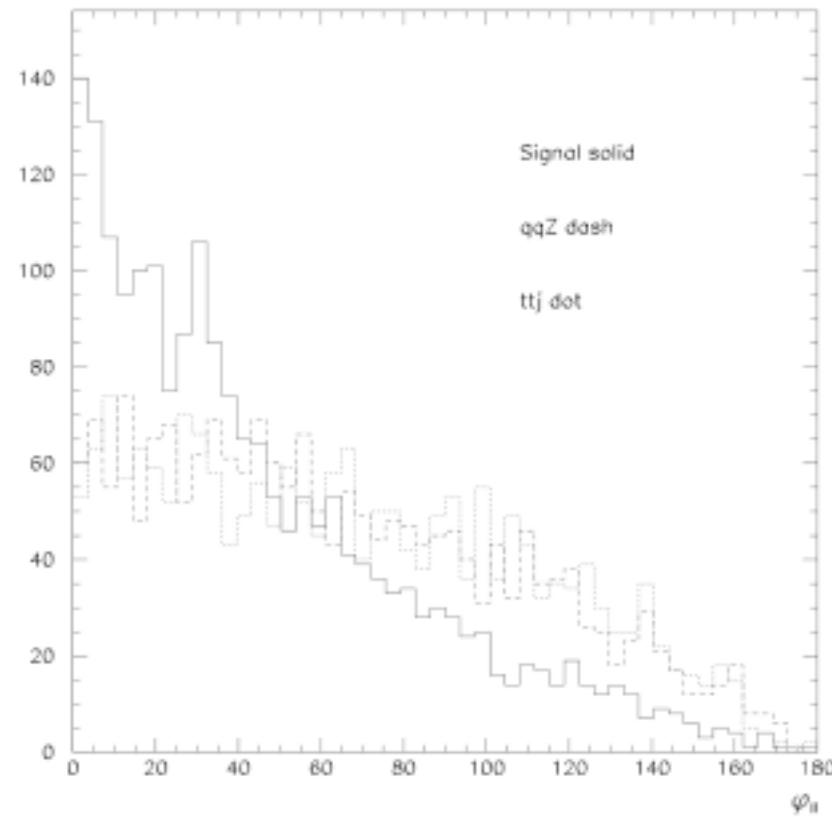
**Signal (Pythia) and (CompHEP), each 20K, digis in FNAL user federation**

**Recently found a bug in CompHep – Pythia interface; QCD scale for FSR was wrong !, fixed**

- **Re-process signal (CompHEP) events**
- **Process backgrounds;**
  - ttj**
  - Zjj**
  - ....

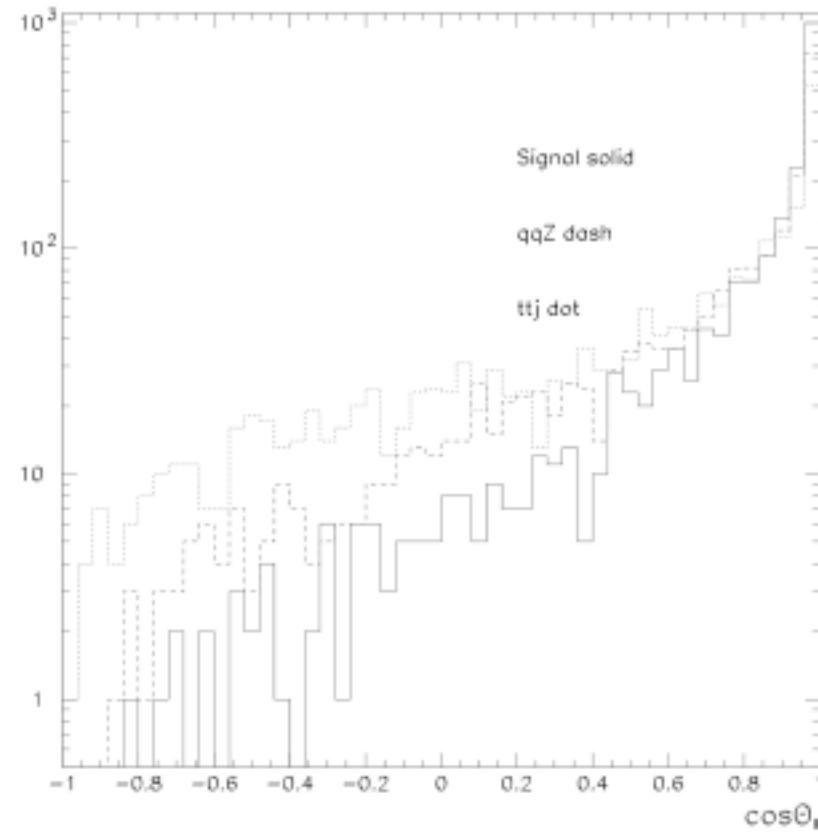


# Azimuthal opening angle



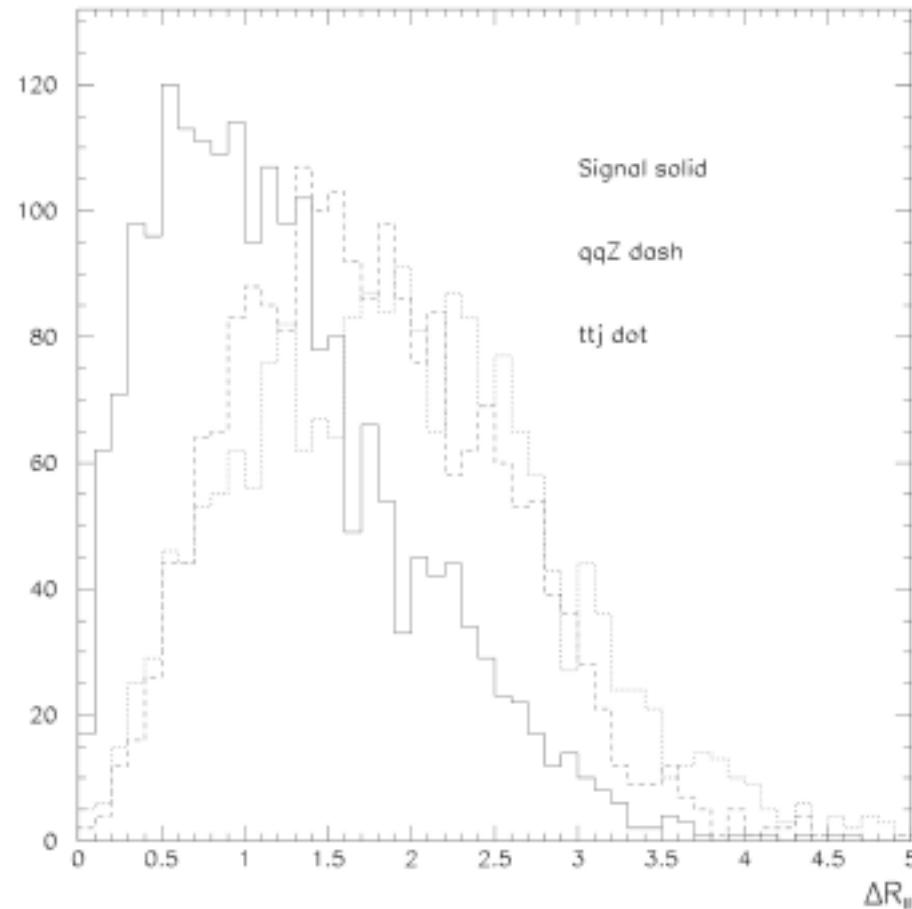


# Polar opening angle



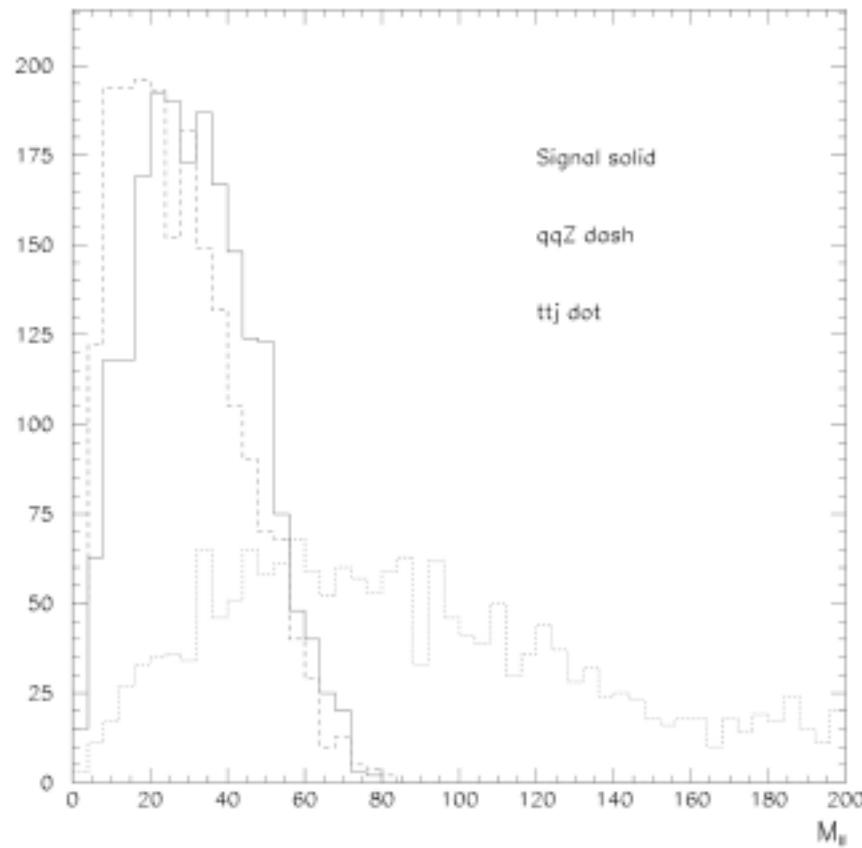


# $\Delta R$ separation of leptons





# Dilepton invariant mass





# Max. lepton momentum

